

# INCREASING DEVELOPMENT AND STEADY PRODUCTION

**Is the Present History of Tonopah's Great Mines---The Long Contemplated Milling Plant of the Tonopah Extension Now an Assured Fact---The Big Pump in the Mizpah Shaft Will be Started up on March 1st.**

## MONTANA TONOPAH.

During the week the Montana mill has treated 739 tons of ore from the company workings and 211 tons from the MacNamara, from which an extraction of 91.7 per cent has been obtained. The extraction for the past six months has averaged 90 per cent.

In the mine 174 feet of development work was done. On the 390-foot level the raise on the Macdonald vein has only advanced four feet on account of the timbering and the putting in of a chute. The top shows about five feet of quartz. The east drift on the Triangle vein has advanced seventeen feet and the face now shows between twelve and eighteen inches of oxidized milling ore of a fair grade. Stopping continues on the Triangle vein for its full length and about eighteen inches of high-grade milling ore is being worked in the east end of this stope. The stope in the west end of the level averages about six feet of fair milling ore.

465-foot level---The east and west drifts on the Triangle vein have advanced nineteen feet. The west drift has an average of one foot of good grade ore, while the body in the east drift is of the same width the value places it in the high grade class. This ledge has been cut off in the face by a fault and prospecting is being done to the south to pick up the vein. Work is being prosecuted on the cutting out of a stope on the Martha vein at a point from 350 feet to 450 feet west of the shaft. The vein will average two feet of oxidized milling ore for this distance. No change is reported in the Macdonald stope 1000 feet west of the shaft where the ledge averages between four and five feet of sulphide milling ore.

515-foot level---The drifts east and west on the Martha vein have advanced thirty-six feet. The east drift has averaged about eighteen inches of milling ore in the face while the west drift shows two streaks eighteen inches in width. Both are of a good grade of ore. The raise on the Triangle vein from this level has advanced

thirty-five feet and has connected with a drift on the second level. This raise is in good grade rock the entire distance. The winze on the South vein at a point about 200 feet west of the shaft was sunk six feet during the week and shows two feet of fair milling ore.

565-foot (intermediate) level---A small amount of stopping is being done on the south branch of the Martha vein, which is producing about two and one-half feet of milling ore.

615-foot level---The crosscut south of the shaft has advanced thirty-one feet and is still in partially oxidized rhyolite. The raise on the new vein recently encountered near the Midway line has been advanced twenty-one feet, the top of which is showing two streaks aggregating about eighteen inches of good ore. A fair quantity of milling ore is being produced in two places from the Macdonald vein below this level, while the stope on the A. B. K. vein above the level are producing from one to two feet of good grade ore.

## TONOPAH MINING.

During the week the Mizpah workings advanced 308 feet, the Red Plume workings, including the shaft, forty-seven and one-half feet, and the Silver Top ninety-four and one-half feet. The diamond drill in the Silver Top advanced seventy-one feet for the week and is now down a depth of 539 feet with no change in the formation.

The pump for the 1200-foot level of the Mizpah is nearly erected and will start pumping the water from the shaft about the first of the month. The power connections, also the water, have been made. The pump will be completed either today or tomorrow.

The raise in the Silver Top, from the second level has connected with the 140-foot level and prospecting will be done from a point between the two levels to look for a vein. The usual progress with no change, has been made in the rest of the drifts on this level.

Mizpah, 200-foot level---The north-

west drift on the Mizpah fault continues to show a small streak of very good milling ore. The raise on the fault is also in ore. The usual progress is reported in the other workings of this level which show no change.

400-foot level---A crosscut is being driven from the east workings of this level toward the Mizpah fault and work will be continued until the fault is reached, when drifting will be started.

480-foot (intermediate) level---The east drift has developed the ore to a fault beyond which the Mizpah vein has been developed on the main level below. This drift will be abandoned and stoping will be started over it.

500-foot level---The winze which is being sunk in the east workings shows a fairly strong quartz vein which carries low values. In the Red Plume workings drifting is being conducted along the fault which cut off the vein. No change in the formation is reported.

600-foot level---The crosscut which was started in the west end of this level to connect with the Red Plume workings is progressing favorably with no change reported.

## BELMONT.

The Belmont has advanced its workings 143 feet during the week. On the 800-foot level the usual amount of stoping is being done on the Nevada vein. The South vein on the 900-foot level continues to produce its usual amount of ore with no particular change.

1000-foot level---Raise No. 1 from the west drift on the South vein is up thirty-six feet, an advance of ten feet for the week, and the top shows about four feet of low grade ore. The west drift on the South vein has advanced thirteen feet and is now out 194 feet, and shows about four feet of low grade ore. The drift on the Occidental vein has progressed twenty-six feet and is out 171 feet. The vein is cut off at this point by a fault. They are now drifting across the fault with the expectation of picking up the vein to the west. The 1056 No. 2 drift is out 170 feet, an advance of twenty feet during the week, and shows about five feet of fair grade ore in the face. The winze from the 1056 has reached a point opposite the 1100-foot level and they are now cutting out a station for the purpose of driving an east drift on the vein and a crosscut to connect with the 1054 winze. The east drift is now out four feet.

1100-foot level---The stope on this level are looking about the same and ore is being extracted from the ledges, which average from five to ten feet in width. The south crosscut No. 1 from the main shaft is

out 120 feet, an advance of forty-nine feet, with the face still in porphyry.

## TONOPAH EXTENSION.

The work in the Extension is continued along the lines on which it has been conducted for some time. The operations are confined to the 400 and 770-foot levels where the crosscuts and drifts being driven to open up the ground are progressing with no change.

The main feature of the Extension company for the past week is the receipt of the news announcing the fact that a mill will be built and which is expected to be in operation by September 1. This news was brought back from the east by General Manager John G. Kirchen, who states that the capacity of the mill will not be less than thirty stamps. The directors are at present waiting for a decision from several other mining companies in this city, who contemplate making the mill a joint one to treat their ores, and all companies to pay equally in the construction. However, should the other companies decide not to join in the erection of the mill, it will be built by the Extension company alone.

## WEST END.

The shipments for the week from the West End amounted to 200 tons of high grade. The mine continues to produce the regular amount of ore and shows no material change in the ore bodies. On the 150-foot level the stope remains the same and produces its regular amount of pay ore.

200-foot level---The winze which was started at a point 450 feet west of shaft No. 2 is down ten feet with the bottom all in ore. There has been but little work done in the west lateral drift during the week owing to the work of cutting out a stope in the back of the level.

400-foot level---The west drift has been extended thirteen feet during the week and is now in 179 feet from the south crosscut. The face is all in quartz with bunches of pay ore. The stope east and west of the shaft continue to give a good amount of shipping ore.

## MACNAMARA.

Five cars of ore were shipped during the week from the MacNamara to the Montana mill. This ore was taken from stope No. 4 and 6 on the 275-foot level. A small portion was contributed from the development work being done on the west end of the 200-foot level. In addition to the sinking of the shaft exploration work is being conducted on the 200, 275 and 300-foot levels. The shaft has advanced twenty-nine feet during the week and is now down a depth of 556 feet, making an average of about

four feet a day. The ore bodies throughout the mine show no change and nothing of importance has transpired in the mine during the week.

## JIM BUTLER.

The Jim Butler mine shipped during the week 300 tons of high grade to the Belmont mill at Millers. Throughout the mine the present work is confined to the stopes, but owing to the presence of Richard G. Park, president of the company, who arrived several days ago from Philadelphia, it is thought that extensive development-work will soon be started.

The work on the stopes is progressing with very little change and the usual amount of high grade ore is being extracted, the ledges continuing to show permanency with no decrease in the values.

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